

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

TANG, Y. Tom

LAL, Preeti

BANDMAN, Olga

YUE, Henry

CORLEY, Neil C.

GUEGLER, Karl J.

GORGONE, Gina A.

BAUGHN, Mariah R.

PATTERSON, Chandra

<120> PROTEIN TRANSPORT-ASSOCIATED MOLECULES

<130> PF-0577 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/098,206

<151> 1998-08-27

<160> 16

<170> PERL Program

<210> 1

<211> 480

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:012033CD1

<400> 1

Met	Arg	Phe	Val	Val	Ala	Leu	Val	Leu	Leu	Asn	Val	Ala	Ala	Ala
1				5					10					15
Gly	Ala	Val	Pro	Leu	Leu	Ala	Thr	Glu	Ser	Val	Lys	Gln	Glu	Glu
				20					25					30
Ala	Gly	Val	Arg	Pro	Ser	Ala	Gly	Asn	Val	Ser	Thr	His	Pro	Ser
				35					40					45
Leu	Ser	Gln	Arg	Pro	Gly	Gly	Ser	Thr	Lys	Ser	His	Pro	Glu	Pro
				50					55					60
Gln	Thr	Pro	Lys	Asp	Ser	Pro	Ser	Lys	Ser	Ser	Ala	Glu	Ala	Gln
				65					70					75
Thr	Pro	Glu	Asp	Thr	Pro	Asn	Lys	Ser	Gly	Ala	Glu	Ala	Lys	Thr
				80					85					90
Gln	Lys	Asp	Ser	Ser	Asn	Lys	Ser	Gly	Ala	Glu	Ala	Lys	Thr	Gln
				95					100					105
Lys	Gly	Ser	Thr	Ser	Lys	Ser	Gly	Ser	Glu	Ala	Gln	Thr	Thr	Lys
				110					115					120
Asp	Ser	Thr	Ser	Lys	Ser	His	Ser	Glu	Leu	Gln	Thr	Pro	Lys	Asp
				125					130					135

Ser Thr Gly Lys Ser Gly Ala Glu Ala Gln Thr Pro Glu Asp Ser
 140 145 150
 Pro Asn Arg Ser Gly Ala Glu Ala Lys Thr Gln Lys Asp Ser Pro
 155 160 165
 Ser Lys Ser Gly Ser Glu Ala Gln Thr Thr Lys Asp Val Pro Asn
 170 175 180
 Lys Ser Gly Ala Asp Gly Gln Thr Pro Lys Asp Gly Ser Ser Lys
 185 190 195
 Ser Gly Ala Glu Asp Gln Thr Pro Lys Asp Val Pro Asn Lys Ser
 200 205 210
 Gly Ala Glu Lys Gln Thr Pro Lys Asp Gly Ser Asn Lys Ser Gly
 215 220 225
 Ala Glu Glu Gln Gly Pro Ile Asp Gly Pro Ser Lys Ser Gly Ala
 230 235 240
 Glu Glu Gln Thr Ser Lys Asp Ser Pro Asn Lys Val Val Pro Glu
 245 250 255
 Gln Pro Ser Arg Lys Asp His Ser Lys Pro Ile Ser Asn Pro Ser
 260 265 270
 Asp Asn Lys Glu Leu Pro Lys Ala Asp Thr Asn Gln Leu Ala Asp
 275 280 285
 Lys Gly Lys Leu Ser Pro His Ala Phe Lys Thr Glu Ser Gly Glu
 290 295 300
 Glu Thr Asp Leu Ile Ser Pro Pro Gln Glu Glu Val Lys Ser Ser
 305 310 315
 Glu Pro Thr Glu Asp Val Glu Pro Lys Glu Ala Glu Asp Asp Asp
 320 325 330
 Thr Gly Pro Glu Glu Gly Ser Pro Pro Lys Glu Glu Lys Glu Lys
 335 340 345
 Met Ser Gly Ser Ala Ser Ser Glu Asn Arg Glu Gly Thr Leu Ser
 350 355 360
 Asp Ser Thr Gly Ser Glu Lys Asp Asp Leu Tyr Pro Asn Gly Ser
 365 370 375
 Gly Asn Gly Ser Ala Glu Ser Ser His Phe Phe Ala Tyr Leu Val
 380 385 390
 Thr Ala Ala Ile Leu Val Ala Val Leu Tyr Ile Ala His His Asn
 395 400 405
 Lys Arg Lys Ile Ile Ala Phe Val Leu Glu Gly Lys Arg Ser Lys
 410 415 420
 Val Thr Arg Arg Pro Lys Ala Ser Asp Tyr Gln Arg Leu Asp Gln
 425 430 435
 Lys Tyr Val Leu Ile Leu Asn Val Phe Pro Ala Pro Pro Lys Arg
 440 445 450
 Ser Phe Leu Pro Gln Val Leu Thr Glu Trp Tyr Ile Pro Leu Glu
 455 460 465
 Lys Asp Glu Arg His Gln Trp Ile Val Leu Leu Ser Phe Gln Leu
 470 475 480

<210> 2

<211> 140

<212> PRT

<213> Homo sapiens

<220> .

<221> misc_feature

<223> Incyte ID No:1209687CD1

<400> 2

Met Ala Ser Val Asp Phe Lys Thr Tyr Val Asp Gln Ala Cys Arg
 1 5 10 15
 Ala Ala Glu Glu Phe Val Asn Val Tyr Tyr Thr Thr Met Asp Lys
 20 25 30
 Arg Arg Arg Leu Leu Ser Arg Leu Tyr Met Gly Thr Ala Thr Leu
 35 40 45
 Val Trp Asn Gly Asn Ala Val Ser Gly Gln Glu Ser Leu Ser Glu
 50 55 60
 Phe Phe Glu Met Leu Pro Ser Ser Glu Phe Gln Ile Ser Val Val
 65 70 75
 Asp Cys Gln Pro Val His Asp Glu Ala Thr Pro Ser Gln Thr Thr
 80 85 90
 Val Leu Val Val Ile Cys Gly Ser Val Lys Phe Glu Gly Asn Lys
 95 100 105
 Gln Arg Asp Phe Asn Gln Asn Phe Ile Leu Thr Ala Gln Ala Ser
 110 115 120
 Pro Ser Asn Thr Val Trp Lys Ile Ala Ser Asp Cys Phe Arg Phe
 125 130 135
 Gln Asp Trp Ala Ser
 140

<210> 3

<211> 519

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:1717058CD1

<400> 3

Met Ala Ala Glu Arg Glu Pro Pro Pro Leu Gly Asp Gly Lys Pro
 1 5 10 15
 Thr Asp Phe Glu Asp Leu Glu Asp Gly Glu Asp Leu Phe Thr Ser
 20 25 30
 Thr Val Ser Thr Leu Glu Ser Ser Pro Ser Ser Pro Glu Pro Ala
 35 40 45
 Ser Leu Pro Ala Glu Asp Ile Ser Ala Asn Ser Asn Gly Pro Lys
 50 55 60
 Pro Thr Glu Val Val Leu Asp Asp Asp Arg Glu Asp Leu Phe Ala
 65 70 75
 Glu Ala Thr Glu Glu Val Ser Leu Asp Ser Pro Glu Arg Glu Pro
 80 85 90
 Ile Leu Ser Ser Glu Pro Ser Pro Ala Val Thr Pro Val Thr Pro
 95 100 105
 Thr Thr Leu Ile Ala Pro Arg Ile Glu Ser Lys Ser Met Ser Ala
 110 115 120
 Pro Val Ile Phe Asp Arg Ser Arg Glu Glu Ile Glu Glu Glu Ala
 125 130 135
 Asn Gly Asp Ile Phe Asp Ile Glu Ile Gly Val Ser Asp Pro Glu
 140 145 150

Lys Val Gly Asp Gly Met Asn Ala Tyr Met Ala Tyr Arg Val Thr
 155 160 165
 Thr Lys Thr Ser Leu Ser Met Phe Ser Lys Ser Glu Phe Ser Val
 170 175 180
 Lys Arg Arg Phe Ser Asp Phe Leu Gly Leu His Ser Lys Leu Ala
 185 190 195
 Ser Lys Tyr Leu His Val Gly Tyr Ile Val Pro Pro Ala Pro Glu
 200 205 210
 Lys Ser Ile Val Gly Met Thr Lys Val Lys Val Gly Lys Glu Asp
 215 220 225
 Ser Ser Ser Thr Glu Phe Val Glu Lys Arg Arg Ala Ala Leu Glu
 230 235 240
 Arg Tyr Leu Gln Arg Thr Val Lys His Pro Thr Leu Leu Gln Asp
 245 250 255
 Pro Asp Leu Arg Gln Phe Leu Glu Ser Ser Glu Leu Pro Arg Ala
 260 265 270
 Val Asn Thr Gln Ala Leu Ser Gly Ala Gly Ile Leu Arg Met Val
 275 280 285
 Asn Lys Ala Ala Asp Ala Val Asn Lys Met Thr Ile Lys Met Asn
 290 295 300
 Glu Ser Asp Ala Trp Phe Glu Glu Lys Gln Gln Gln Phe Glu Asn
 305 310 315
 Leu Asp Gln Gln Leu Arg Lys Leu His Val Ser Val Glu Ala Leu
 320 325 330
 Val Cys His Arg Lys Glu Leu Ser Ala Asn Thr Ala Ala Phe Ala
 335 340 345
 Lys Ser Ala Ala Met Leu Gly Asn Ser Glu Asp His Thr Ala Leu
 350 355 360
 Ser Arg Ala Leu Ser Gln Leu Ala Glu Val Glu Glu Lys Ile Asp
 365 370 375
 Gln Leu His Gln Glu Gln Ala Phe Ala Asp Phe Tyr Met Phe Ser
 380 385 390
 Glu Leu Leu Ser Asp Tyr Ile Arg Leu Ile Ala Ala Val Lys Gly
 395 400 405
 Val Phe Asp His Arg Met Lys Cys Trp Gln Lys Trp Glu Asp Ala
 410 415 420
 Gln Ile Thr Leu Leu Lys Lys Arg Glu Ala Glu Ala Lys Met Met
 425 430 435
 Val Ala Asn Lys Pro Asp Lys Ile Gln Gln Ala Lys Asn Glu Ile
 440 445 450
 Arg Glu Trp Glu Ala Lys Val Gln Gln Gly Glu Arg Asp Phe Glu
 455 460 465
 Gln Ile Ser Lys Thr Ile Arg Lys Glu Val Gly Arg Phe Glu Lys
 470 475 480
 Glu Arg Val Lys Asp Phe Lys Thr Val Ile Ile Lys Tyr Leu Glu
 485 490 495
 Ser Leu Val Gln Thr Gln Gln Gln Leu Ile Lys Tyr Trp Glu Ala
 500 505 510
 Phe Leu Pro Glu Ala Lys Ala Ile Ala
 515

<210> 4
 <211> 613

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:1749964CD1

<400> 4

Met Ala Ala Thr Ala Val Ala Ala Ala Val Ala Gly Thr Glu Ser
 1 5 10 15
 Ala Gln Gly Pro Pro Gly Pro Ala Ala Ser Leu Glu Leu Trp Leu
 20 25 30
 Asn Lys Ala Thr Asp Pro Ser Met Ser Glu Gln Asp Trp Ser Ala
 35 40 45
 Ile Gln Asn Phe Cys Glu Gln Val Asn Thr Asp Pro Asn Gly Pro
 50 55 60
 Thr His Ala Pro Trp Leu Leu Ala His Lys Ile Gln Ser Pro Gln
 65 70 75
 Glu Lys Glu Ala Leu Tyr Ala Leu Thr Val Leu Glu Met Cys Met
 80 85 90
 Asn His Cys Gly Glu Lys Phe His Ser Glu Val Ala Lys Phe Arg
 95 100 105
 Phe Leu Asn Glu Leu Ile Lys Val Leu Ser Pro Lys Tyr Leu Gly
 110 115 120
 Ser Trp Ala Thr Gly Lys Val Lys Gly Arg Val Ile Glu Ile Leu
 125 130 135
 Phe Ser Trp Thr Val Trp Phe Pro Glu Asp Ile Lys Ile Arg Asp
 140 145 150
 Ala Tyr Gln Met Leu Lys Lys Gln Gly Ile Ile Lys Gln Asp Pro
 155 160 165
 Lys Leu Pro Val Asp Lys Ile Leu Pro Pro Pro Ser Pro Trp Pro
 170 175 180
 Lys Ser Ser Ile Phe Asp Ala Asp Glu Glu Lys Ser Lys Leu Leu
 185 190 195
 Thr Arg Leu Leu Lys Ser Asn His Pro Glu Asp Leu Gln Ala Ala
 200 205 210
 Asn Arg Leu Ile Lys Asn Leu Val Lys Glu Glu Gln Glu Lys Ser
 215 220 225
 Glu Lys Val Ser Lys Arg Val Ser Ala Val Glu Glu Val Arg Ser
 230 235 240
 His Val Lys Val Leu Gln Glu Met Leu Ser Met Tyr Arg Arg Pro
 245 250 255
 Gly Gln Ala Pro Pro Asp Gln Glu Ala Leu Gln Val Val Tyr Glu
 260 265 270
 Arg Cys Glu Lys Leu Arg Pro Thr Leu Phe Arg Leu Ala Ser Asp
 275 280 285
 Thr Thr Asp Asp Asp Asp Ala Leu Ala Glu Ile Leu Gln Ala Asn
 290 295 300
 Asp Leu Leu Thr Gln Gly Val Leu Leu Tyr Lys Gln Val Met Glu
 305 310 315
 Gly Arg Val Thr Phe Gly Asn Arg Val Thr Ser Ser Leu Gly Asp
 320 325 330
 Ile Pro Val Ser Arg Val Phe Gln Asn Pro Ala Gly Cys Met Lys
 335 340 345
 Thr Cys Pro Leu Ile Asp Leu Glu Val Asp Asn Gly Pro Ala Gln
 350 355 360

Met Gly Thr Val Val Pro Ser Leu Leu His Gln Asp Leu Ala Ala
 365 370 375
 Leu Gly Ile Ser Asp Ala Pro Val Thr Gly Met Val Ser Gly Gln
 380 385 390
 Asn Cys Cys Glu Glu Lys Arg Asn Pro Ser Ser Ser Thr Leu Pro
 395 400 405
 Gly Gly Gly Val Gln Asn Pro Ser Ala Asp Arg Asn Leu Leu Asp
 410 415 420
 Leu Leu Ser Ala Gln Pro Ala Pro Cys Pro Leu Asn Tyr Val Ser
 425 430 435
 Gln Lys Ser Val Pro Lys Glu Val Pro Pro Gly Thr Lys Ser Ser
 440 445 450
 Pro Gly Trp Ser Trp Glu Ala Gly Pro Leu Ala Pro Ser Pro Ser
 455 460 465
 Ser Gln Asn Thr Pro Leu Ala Gln Val Phe Val Pro Leu Glu Ser
 470 475 480
 Val Lys Pro Ser Ser Leu Pro Pro Leu Ile Val Tyr Asp Arg Asn
 485 490 495
 Gly Phe Arg Ile Leu Leu His Phe Ser Gln Thr Gly Ala Pro Gly
 500 505 510
 His Pro Glu Val Gln Val Leu Leu Leu Thr Met Met Ser Thr Ala
 515 520 525
 Pro Gln Pro Val Trp Asp Ile Met Phe Gln Val Ala Val Pro Lys
 530 535 540
 Ser Met Arg Val Lys Leu Gln Pro Ala Ser Ser Ser Lys Leu Pro
 545 550 555
 Ala Phe Ser Pro Leu Met Pro Pro Ala Val Ile Ser Gln Met Leu
 560 565 570
 Leu Leu Asp Asn Pro His Lys Glu Pro Ile Arg Leu Arg Tyr Lys
 575 580 585
 Leu Thr Phe Asn Gln Gly Gly Gln Pro Phe Ser Glu Val Gly Glu
 590 595 600
 Val Lys Asp Phe Pro Asp Leu Ala Val Leu Gly Ala Ala
 605 610

<210> 5

<211> 719

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:1856357CD1

<400> 5

Met Ser Val Asp Lys Ala Glu Leu Cys Gly Ser Leu Leu Thr Trp
 1 5 10 15
 Leu Gln Thr Phe His Val Pro Ser Pro Cys Ala Ser Pro Gln Asp
 20 25 30
 Leu Ser Ser Gly Leu Ala Val Ala Tyr Val Leu Asn Gln Ile Asp
 35 40 45
 Pro Ser Trp Phe Asn Glu Ala Trp Leu Gln Gly Ile Ser Glu Asp
 50 55 60
 Pro Gly Pro Asn Trp Lys Leu Lys Val Ser Asn Leu Lys Met Val

	65		70		75
Leu Arg Ser Leu Val	Glu Tyr Ser Gln Asp	Val Leu Ala His Pro			
	80		85		90
Val Ser Glu Glu His	Leu Pro Asp Val Ser	Leu Ile Gly Glu Phe			
	95		100		105
Ser Asp Pro Ala Glu	Leu Gly Lys Leu Leu	Gln Leu Val Leu Gly			
	110		115		120
Cys Ala Ile Ser Cys	Glu Lys Lys Gln Asp	His Ile Gln Arg Ile			
	125		130		135
Met Thr Leu Glu Glu	Ser Val Gln His Val	Val Met Glu Ala Ile			
	140		145		150
Gln Glu Leu Met Thr	Lys Asp Thr Pro Asp	Ser Leu Ser Pro Glu			
	155		160		165
Thr Tyr Gly Asn Phe	Asp Ser Gln Ser Arg	Arg Tyr Tyr Phe Leu			
	170		175		180
Ser Glu Glu Ala Glu	Glu Gly Asp Glu Leu	Gln Gln Arg Cys Leu			
	185		190		195
Asp Leu Glu Arg Gln	Leu Met Leu Leu Ser	Glu Glu Lys Gln Ser			
	200		205		210
Leu Ala Gln Glu Asn	Ala Gly Leu Arg Glu	Arg Met Gly Arg Pro			
	215		220		225
Glu Gly Glu Gly Thr	Pro Gly Leu Thr Ala	Lys Lys Leu Leu Leu			
	230		235		240
Leu Gln Ser Gln Leu	Glu Gln Leu Gln Glu	Glu Asn Phe Arg Leu			
	245		250		255
Glu Ser Gly Arg Glu	Asp Glu Arg Leu Arg	Cys Ala Glu Leu Glu			
	260		265		270
Arg Glu Val Ala Glu	Leu Gln His Arg Asn	Gln Ala Leu Thr Ser			
	275		280		285
Leu Ala Gln Glu Ala	Gln Ala Leu Lys Asp	Glu Met Asp Glu Leu			
	290		295		300
Arg Gln Ser Ser Glu	Arg Ala Gly Gln Leu	Glu Ala Thr Leu Thr			
	305		310		315
Ser Cys Arg Arg Arg	Leu Gly Glu Leu Arg	Glu Leu Arg Arg Gln			
	320		325		330
Val Arg Gln Leu Glu	Glu Arg Asn Ala Gly	His Ala Glu Arg Thr			
	335		340		345
Arg Gln Leu Glu Asp	Glu Leu Arg Arg Ala	Gly Ser Leu Arg Ala			
	350		355		360
Gln Leu Glu Ala Gln	Arg Arg Gln Val Gln	Glu Leu Gln Gly Gln			
	365		370		375
Arg Gln Glu Glu Ala	Met Lys Ala Glu Lys	Trp Leu Phe Glu Cys			
	380		385		390
Arg Asn Leu Glu Glu	Lys Tyr Glu Ser Val	Thr Lys Glu Lys Glu			
	395		400		405
Arg Leu Leu Ala Glu	Arg Asp Ser Leu Arg	Glu Ala Asn Glu Glu			
	410		415		420
Leu Arg Cys Ala Gln	Leu Gln Pro Arg Gly	Leu Thr Gln Ala Asp			
	425		430		435
Pro Ser Leu Asp Pro	Thr Ser Thr Pro Val	Asp Asn Leu Ala Ala			
	440		445		450
Glu Ile Leu Pro Ala	Glu Leu Arg Glu Thr	Leu Leu Arg Leu Gln			
	455		460		465
Leu Glu Asn Lys Arg	Leu Cys Arg Gln Glu	Ala Ala Asp Arg Glu			
	470		475		480
Arg Gln Glu Glu Leu	Gln Arg His Leu Glu	Asp Ala Asn Arg Ala			

	485		490		495
Arg His Gly Leu	Glu Thr Gln His Arg	Leu Asn Gln Gln Gln	Leu		
	500		505		510
Ser Glu Leu Arg	Ala Gln Val Glu Asp	Leu Gln Lys Ala Leu	Gln		
	515		520		525
Glu Gln Gly Gly	Lys Thr Glu Asp Ala	Ile Ser Ile Leu Leu	Lys		
	530		535		540
Arg Lys Leu Glu	Glu His Leu Gln Lys	Leu His Glu Ala Asp	Leu		
	545		550		555
Glu Leu Gln Arg	Lys Arg Glu Tyr Ile	Glu Glu Leu Glu Pro	Pro		
	560		565		570
Thr Asp Ser Ser	Thr Ala Arg Arg Ile	Glu Glu Leu Gln His	Asn		
	575		580		585
Leu Gln Lys Lys	Asp Ala Asp Leu Arg	Ala Met Glu Glu Arg	Tyr		
	590		595		600
Arg Arg Tyr Val	Asp Lys Ala Arg Met	Val Met Gln Thr Met	Glu		
	605		610		615
Pro Lys Gln Arg	Pro Ala Ala Gly Ala	Pro Pro Glu Leu His	Ser		
	620		625		630
Leu Arg Thr Gln	Leu Arg Glu Arg Asp	Val Arg Ile Arg His	Leu		
	635		640		645
Glu Met Asp Phe	Glu Lys Ser Arg Ser	Gln Arg Glu Gln Glu	Glu		
	650		655		660
Lys Leu Leu Ile	Ser Ala Trp Tyr Asn	Met Gly Met Ala Leu	Gln		
	665		670		675
Gln Arg Ala Gly	Glu Glu Arg Ala Pro	Ala His Ala Gln Ser	Phe		
	680		685		690
Leu Ala Gln Gln	Arg Leu Ala Thr Asn	Ser Arg Arg Gly Pro	Leu		
	695		700		705
Gly Arg Leu Ala	Ser Leu Asn Leu Arg	Pro Thr Asp Lys His			
	710		715		

<210> 6

<211> 175

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:1871275CD1

<400> 6

Met Gly Ile Leu	Leu Gly Leu Leu Leu	Leu Gly His Leu Thr	Val
1	5	10	15
Asp Thr Tyr Gly	Arg Pro Ile Leu Glu	Val Pro Glu Ser Val	Thr
	20	25	30
Gly Pro Trp Lys	Gly Asp Val Asn Leu	Pro Cys Thr Tyr Asp	Pro
	35	40	45
Leu Gln Gly Tyr	Thr Gln Val Leu Val	Lys Trp Leu Val Gln	Arg
	50	55	60
Gly Ser Asp Pro	Val Thr Ile Phe Leu	Arg Asp Ser Ser Gly	Asp
	65	70	75
His Ile Gln Gln	Ala Lys Tyr Gln Gly	Arg Leu His Val Ser	His
	80	85	90
Lys Val Pro Gly	Asp Val Ser Leu Gln	Leu Ser Thr Leu Glu	Met

	95		100		105
Asp Asp Arg Ser	His Tyr Thr Cys Glu	Val Thr Trp Gln Thr	Pro		
	110		115		120
Asp Gly Asn Gln	Val Val Arg Asp Lys	Ile Thr Glu Leu Arg	Val		
	125		130		135
Gln Lys His Ser	Ser Lys Leu Leu Lys	Thr Lys Thr Glu Ala	Pro		
	140		145		150
Thr Thr Met Thr	Tyr Pro Leu Lys Ala	Thr Ser Thr Val Lys	Gln		
	155		160		165
Ser Trp Asp Trp	Thr Thr Asp Met Asp	Gly			
	170		175		

<210> 7

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:2645806CD1

<400> 7

Met Ala Thr Ser	Leu Asp Phe Lys Thr	Tyr Val Asp Gln Ala Cys
1	5	10 15
Arg Ala Ala Glu	Glu Phe Val Asn Ile Tyr	Tyr Glu Thr Met Asp
	20	25 30
Lys Arg Arg Arg	Ala Leu Thr Arg Leu Tyr	Leu Asp Lys Ala Thr
	35	40 45
Leu Ile Trp Asn	Gly Asn Ala Val Ser Gly	Leu Asp Ala Leu Asn
	50	55 60
Asn Phe Phe Asp	Thr Leu Pro Ser Ser Glu	Phe Gln Val Asn Met
	65	70 75
Leu Asp Cys Gln	Pro Val His Glu Gln Ala	Thr Gln Ser Gln Thr
	80	85 90
Thr Val Leu Val	Val Thr Ser Gly Thr Val	Lys Phe Asp Gly Asn
	95	100 105
Lys Gln His Phe	Phe Asn Gln Asn Phe Leu	Leu Thr Ala Gln Ser
	110	115 120
Thr Pro Asn Asn	Thr Val Trp Lys Ile Ala	Ser Asp Cys Phe Arg
	125	130 135
Phe Gln Asp Trp	Ser Ser Ser	
	140	

<210> 8

<211> 248

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:3437773CD1

<400> 8

Met	Ser	Val	Ser	Leu	Pro	Leu	Thr	Val	Met	Val	Arg	Glu	Arg	Asp
1				5					10					15
Trp	Ile	Gly	Ile	His	Leu	Phe	Ser	Leu	Tyr	Leu	Ser	Leu	Pro	Val
				20					25					30
Gly	Ile	Pro	Asp	Phe	Gly	Ser	Ile	Trp	Ser	Asp	Phe	Leu	Phe	Lys
				35					40					45
Phe	Leu	Val	Ile	Gly	Ser	Ala	Gly	Thr	Gly	Lys	Ser	Cys	Leu	Leu
				50					55					60
His	Gln	Phe	Ile	Glu	Asn	Lys	Phe	Lys	Gln	Asp	Ser	Asn	His	Thr
				65					70					75
Ile	Gly	Val	Glu	Phe	Gly	Ser	Arg	Val	Val	Asn	Val	Gly	Gly	Lys
				80					85					90
Thr	Val	Lys	Leu	Gln	Ile	Trp	Asp	Thr	Ala	Gly	Gln	Glu	Arg	Phe
				95					100					105
Arg	Ser	Val	Thr	Arg	Ser	Tyr	Tyr	Arg	Gly	Ala	Ala	Gly	Ala	Leu
				110					115					120
Leu	Val	Tyr	Asp	Ile	Thr	Ser	Arg	Glu	Thr	Tyr	Asn	Ser	Leu	Ala
				125					130					135
Ala	Trp	Leu	Thr	Asp	Ala	Arg	Thr	Leu	Ala	Ser	Pro	Asn	Ile	Val
				140					145					150
Val	Ile	Leu	Cys	Gly	Asn	Lys	Lys	Asp	Leu	Asp	Pro	Glu	Arg	Glu
				155					160					165
Val	Thr	Phe	Leu	Glu	Ala	Ser	Arg	Phe	Ala	Gln	Glu	Asn	Glu	Leu
				170					175					180
Met	Phe	Leu	Glu	Thr	Ser	Ala	Leu	Thr	Gly	Glu	Asn	Val	Glu	Glu
				185					190					195
Ala	Phe	Leu	Lys	Cys	Ala	Arg	Thr	Ile	Leu	Asn	Lys	Ile	Asp	Ser
				200					205					210
Gly	Glu	Leu	Asp	Pro	Glu	Arg	Met	Gly	Ser	Gly	Ile	Gln	Tyr	Gly
				215					220					225
Asp	Ala	Ser	Leu	Arg	Gln	Leu	Arg	Gln	Pro	Arg	Ser	Ala	Gln	Ala
				230					235					240
Val	Ala	Pro	Gln	Pro	Cys	Gly	Cys							
				245										

<210> 9

<211> 1630

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:012033CB1

<400> 9

cgctatccga	gcaggatgcg	gttcgtgggt	gccttgggtcc	tcctgaacgt	cgcagcggcg	60
ggagccgtgc	cgctcttggc	caccgaaagc	gtcaagcaag	aagaagctgg	agtacggcct	120
tctgcaggaa	acgtctccac	ccaccccagc	ttgagccaac	ggcctggagg	ctctaccaag	180
tcgcattccg	agccgcagac	tccaaaagac	agccctagca	agtcgagtgc	ggaggcgcag	240
acccagaag	acaccccaa	caagtcgggt	gcggaggcaa	agacccaaaa	agacagctcc	300
aacaagtccg	gtgcggaggc	aaagacccaa	aaaggcagca	ctagcaagtc	gggttcggag	360
gcgcagacca	caaagacag	cactagtaag	tcgcattcgg	agctgcagac	tccaaaagac	420

```

agcactggca aatcgggtgc ggaggcgcag accccagaag acagccccaa caggtcgggt 480
gcgaggagcaa agacccaaaa agacagccct agcaagtcag gttcggaggc gcagaccaca 540
aaagatgtcc ctaataagtc gggcgcggac ggccagaccc caaaagacgg ctccagcaag 600
tcgggtgcgg aggatcagac cccaaaaagac gtccctaaca agtcgggtgc ggagaagcag 660
actccaaaag acggctctaa caagtccggt gcagaggagc agggcccaat agacgggcc 720
agcaagtcgg gtgcggagga gcagacctca aaagacagcc ctaacaaggt ggttccagag 780
cagccttccc ggaaagacca ttccaagccc atctccaacc cttctgataa caaggagctc 840
cccaaggctg acacaaacca gcttgctgac aaagggaagc tttctcctca tgctttcaaa 900
accgaatctg gggaggaaac tgacctcatt tctccccgcg aggaggaagt taagtcttca 960
gagcctactg aggatgtgga gcccaaagag gctgaagatg atgatacagg acccgaggag 1020
ggctcaccgc ccaaagaaga gaaagaaaag atgtccggtt ctgcctccag tgagaaccgt 1080
gaagggacac tttcggattc cacgggtagc gagaaggatg accttatcc gaacggttct 1140
ggaaatggca gcgcggagag cagccacttc tttgcatatc tggtgactgc agccattctt 1200
gtggctgtcc tctatatcgc tcatcacaac aagcggaaga tcattgcttt tgtcctggaa 1260
ggaaaaagat ctaaagtcac ccggcgccca aaggccagtg actaccaacg tttggaccag 1320
aagtatgtct taattctgaa tgttttccct gcacctccta aaagatcttt tctcccccac 1380
gtcctaacag aatggtatat tcctctggaa aaagatgaac gtcaccaatg gattgtgctg 1440
ctctcgtttc agctttgatt tttttgtcct tgagaacctt gtctcctctg ctgatttgtt 1500
tctaaatcaa aagaaatgaa gaaaaaagta ctgtgacctg agagacaccc tcctctagaa 1560
tttagtggcg ggtctgggct ggcagaggta gggggctgct ttgggctttg cacctgcact 1620
ttggtgacat 1630

```

<210> 10
 <211> 830
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No:1209687CB1

```

<400> 10
tgaactttgg cattcacgtg gcttctcttc aaccttactt ccctgcagcc cctggttccc 60
caaggcagag gaaataccct ggtggagccc tccttccata gaaccagaga tggcatctgt 120
ggatttcaag acctatgtg atcaggcctg cagagctgct gaggagtgtg tcaatgtcta 180
ctacaccacc atggataagc ggcggcgttt gctgtccgcg ctgtacatgg gcacagccac 240
cctgggtctg aatggcaatg ctgtttcagg acaagaatcc ttgagtgagt tttttgaaat 300
gttgcccttc agcgagtcc aaatcagcgt ggtagactgc cagcctgttc atgatgaagc 360
cacaccaagc cagaccacgg tccttggtgt catctgtgga tcagtgaagt ttgaggggaa 420
caaacaacgg gacttcaacc agaacttcat cctgaccgcc caggcctcac ccagcaacac 480
agtgtggaag atcgcaagt actgcttccg cttccaggac tgggccagct agtgggggtg 540
gcagaggctc ctttgcttca ttcagcccta gctctgtaga gaaatgcaa cctcgactct 600
caaggatgtg aggaacacaa gttcatttct gttgttgcg agacactgca gactccactg 660
tgccgaggtt gaactctttt ttgttgctca agttctagga gtccctttcc tgaatatata 720
cttggttgtc atagtttctt tttcaaagta gtaaactttt ctatttttct acttgcccag 780
tagagactct gattctggaa attctgacaa ataatttaat aatacacatg 830

```

<210> 11
 <211> 2025
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte ID No:1717058CB1

<400> 11

```

gtgagcgaag atggcgccg agaggggaacc tcctccgctg ggggacggga agcccaccga 60
ctttgaggat ctggaggacg gagaggacct gttcaccagc actgtctcca ccctagagtc 120
aagtccatca tctccagaac cagctagtct tcctgcagaa gatattagtg caaacctcaa 180
tgccccaaaa cccacagaag ttgtattaga tgatgacaga gaagatcttt ttgcagaagc 240
cacagaagaa gtttcttttg acagccctga aaggggaacct atcctatcct cggaaccttc 300
tcctgcagtc acacctgtca ctctactac actcattgct cctagaattg aatcaaagag 360
tatgtctgct cccgtgatct ttgatagatc caggggaagag attgaagaag aagcaaattg 420
agacattttt gacatagaaa ttggtgtatc agatccagaa aaagttggtg atggcatgaa 480
tgcctatatg gcatatagag taacaacaaa gacatctctt tccatgttca gtaagagtga 540
attttcagtg aaaagaagat tcagcgactt tcttggtttg cacagcaaat tagcaagcaa 600
atattttacat gttgggttata ttgtgccacc agctccagaa aagagtatag tagggatgac 660
caaggtcaaa gtgggtaaa aagactcatc atccactgag tttgtagaaa aacggagagc 720
agctcttgaa aggtatcttc aaagaacagt aaaacatcca actttactac aggatcctga 780
tttaaggcag ttcttggaag gttcagagct gcctagagca gtttaatacac aggctctgag 840
tggagcagga atattgagga tgggaacaa ggctgccgac gctgtcaaca aaatgacaat 900
caagatgaat gaatcggatg catggtttga agaaaagcag cagcaatttg agaattcggg 960
tcagcaactt aggaacttc atgtcagtg tgaagccttg gtctgtcata gaaaagaact 1020
ttcagccaac acagctgcct ttgctaaaag tgcctgcatg ttaggtaatt ctgaggatca 1080
tactgcttta tctagagctt tgtctcagct tgcagagggt gaggagaaga tagaccagtt 1140
acatcaagaa caagcttttg ctgactttta tatgttttca gaactactta gtgactacat 1200
tcgtcttatt gctgcagtga aaggtgtggt tgaccatcga atgaagtgtt ggcagaaatg 1260
ggaagatgct caaattactt tgctcaaaaa acgtgaagct gaagcaaaaa tgatgggttc 1320
taacaaacca gataaaatac agcaagctaa aaatgaaata agagagtggg aggcgaaagt 1380
gcaacaaggg gaaagagatt ttgaacagat atctaaaacg attcgaaaag aagtgggaag 1440
atgtgagaaa gaacgagtga aggattttta aaccgttatc atcaagtact tagaatcact 1500
agttcaaaaa caacaacagc tgataaaaata ctgggaagca ttcctacctg aagccaaagc 1560
cattgcctag caataagatt gttgccgtta agaagacctt ggatgttgtt ccagttatgc 1620
tggattccac agtgaaatca tttaaaacca tctaaataaa ccactatata ttttatgaat 1680
tacatgtggt tttatataca cacacacaca cacacacaca ctctgacatt ttattacaag 1740
ctgcatgtcc tgacctctt tgaattaaat ggactgtggc atgacattct gcaatacttt 1800
gctgaattga acactattgt gtcttaataa cttgcactaa atagtgcact gcaagaccag 1860
aaaattttac aatatttttt ctttacaata tgttctgtag tatgtttacc ctctttatga 1920
agtgaattac caatgctttg aataatgttc acttatacat tcctgtacag aaattacgat 1980
tttgtgatta cagtaataaa atgatattcc ttgtgaaaaa aaaaa 2025

```

<210> 12

<211> 3465

<212> DNA

<213> Homo sapiens.

<220>

<221> misc_feature

<223> Incyte ID No:1749964CB1

<400> 12

```

acggccagtg caagctaaaa ttaaccctca ctaaaggga taagcttgcg ccgcccgcgtc 60
ggggctggag cgatggcggc gaccgcggtg gcggcggtg tggcggaac cgagtcgggc 120
cagggctccc cgggcccggc agcgtcgctg gagctgtggc tgaacaaagc cacagacca 180
agcatgtcgg aacagagatt gtcagctatc cagaatttct gtgagcaggt gaacactgac 240
cccaatggcc ccacacatgc gccctggcta ctggcccaca agatccagtc tccgcaagag 300
aaggaagctc tttatgcctt aacggtgctg gagatgtgca tgaaccactg tggggagaag 360
ttccacagcg aggtggccaa atttcgtttc ctgaacgaac tgatcaaagt gttgtcccca 420

```

aagtacctgg	ggctctgggc	cacaggaaaa	gttaaaggaa	gagtcattga	aatactcttc	480
agttggacag	tctggtttcc	ggaagacatc	aagattcgag	acgcttatca	gatgctgaag	540
aaacaaggaa	ttataaaaca	agaccctaaa	ctaccagtg	ataaaatctt	acccccacca	600
tctccctggc	ccaagagctc	catctttgat	gctgatgaag	aaaagtccaa	gcttctgaca	660
aggcttctaa	agagcaacca	ccccgaggac	cttcaggctg	caaaccggtt	aatcaagaat	720
ttggtcaagg	aggaacaaga	aaaatcggag	aaggtgtcca	agaggggtcag	tgcggtggag	780
gaagtgcgaa	gccatgtgaa	ggtgctgcag	gagatgctga	gcatgtaccg	caggccagg	840
caggccccgc	ccgaccagga	ggccctgcag	gtcgtgtatg	agaggtgtga	aaagctgcgg	900
cccacgctgt	tccggttggc	gagtgacacc	actgatgacg	atgatgcact	cgcggaatt	960
ctccaggcaa	atgacctcct	caccaagga	gttctgctgt	acaaacaggt	gatggagggc	1020
cgggtcacct	ttggaacag	agtgaccagc	tcattgggag	acatccctgt	ctccagagtc	1080
tttcagaatc	cagcaggctg	catgaagacc	tgccccctga	ttgacttgga	ggtggacaat	1140
ggacctgcgc	agatggggac	tgtggtgcc	tctttgcttc	atcaggacct	ggcagccttg	1200
ggaatcagtg	atgctcctgt	tacaggcatg	gtttctggtc	agaattgctg	tgaggaaaag	1260
aggaatccct	cctccagcac	gctgccaggc	ggtggtgttc	agaacccttc	tgagacagg	1320
aatttgctgg	acctcctctc	agcacagcca	gctccgtgcc	ctctgaatta	tgttctgcag	1380
aaaagtgtcc	ccaaggaagt	gccaccaggt	actaagtcct	ctccaggttg	gtcctgggag	1440
gctggcccg	tggtctcttc	cccatcttca	cagaatacac	ctctggctca	agtgtttgtc	1500
cctttggagt	ctgttaagcc	cagcagcctg	ccgcctctca	ttgtgtatga	ccggaatgga	1560
ttcagaattc	tgctccactt	ctccagacg	ggagcccttg	ggcaccaga	ggtcacagg	1620
ctgctcttga	ccatgatgag	cacggctccc	cagcctgtct	gggatcatc	gtttcaagt	1680
gctgtgccaa	agtcaatgag	agtgaagctg	cagccggcat	ccagctccaa	gcttctctga	1740
ttcagtcctt	tgatgcctcc	agctgtgata	tctcagatgc	tgctgcttga	caatccacac	1800
aaagaacct	tccgcttacg	gtacaagctg	acattcaacc	aaggtggaca	gcctttcagc	1860
gaagtaggag	aagtgaagaa	cttcccagac	ctggctgtct	tggtgcgcagc	ctaacttttc	1920
acaagatgga	cccttcattt	caagcttagg	ctggcgttac	ttttgctgtc	tagtcaggac	1980
taatcacggt	gtttcagtg	ggagtgccaa	gagtcctatc	ctgacgtcag	gctctgggtg	2040
tcaacctctg	acttattctg	cagatgctct	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	2100
gtgtgtgtgt	gtgtgtgtgt	gtgttcgggg	agaggggtgt	agcacagggc	ttgggatatc	2160
ggcagtgctg	gaaatgcgaa	gtattttctca	tcacatcatc	ctctgctaca	gtcatgtttc	2220
tgcatgtcag	cgagcgacac	tgtccctgcc	tcaggttgga	ggttttatca	gccaaagtgt	2280
ttttttcatg	tatcgttcgt	tccattcatc	cactctgtgc	cttgctcagc	tttgaaaggc	2340
ttggttgctc	ccaggctgct	gttctcaggg	accttaaaag	ggacctgggt	agtcttgggg	2400
cagagagtat	ctacttgggc	actctcttcc	aagaaagacc	ttgtctccat	tttcattaga	2460
caatgcttct	tggtgtgtgt	ctggaagatc	ttctaaatgg	aatgcttggt	gcactgttcc	2520
caggcgagtg	gctgccatga	gacctgagga	ccacacttgg	gggaccaatc	atgtccttca	2580
ccactgtgcc	ttagaatcgc	ccctggacag	agttcctggg	cagaggggaa	agcagctccc	2640
aggccttact	caggcctcag	gtccatgggt	tgggcagcca	gtctggggcc	ttctcaggat	2700
cctcatctcc	atcctcatcc	tcttcttca	cagcatttac	ttggagctct	ttgtgacaca	2760
ccatgtcagt	catgatgaat	cggccaacag	ccagcccttg	ccagctgacg	tcacagtcta	2820
agatgggaaa	ctgtggtaca	gatagacatg	aagagagctt	agcagtgatt	gaggtggtga	2880
ctaaatatac	agtcattgaa	taaataccat	gtagcaagtg	tactttgtgg	agtgttgagt	2940
aagtggaaaa	tggaaagcca	gttgcattta	gagatgatag	gcctaaaggg	aactgtcttc	3000
tgtcgagaag	taaaggaaac	ttcatgaagg	atgtagaagc	ttagctgcct	cagagaagag	3060
agaacctgaa	gatctgaggc	aagctggaca	ggagaggtgg	atatttggtg	atggaagaat	3120
tcaagtttat	aatcaattcc	cacttagcac	ctactgtgtg	ctaggaactt	gaatgtgtat	3180
gtttgacaag	tctgcttggt	cctgatgggt	gggagaagga	acctgagcct	ggctgagatg	3240
gctaggcgga	gggctttgaa	gtccaagcag	ctgaactggc	tgggtgggtt	tctacctttg	3300
aaactgcaag	acttgtttgg	agctcttaat	tacaatatct	gatattttta	cagtctgata	3360
ttttgacttc	tacatatagt	ggaaatctgc	caatacta	tggtggagat	gggaactgta	3420
aaagatcaag	tatgctaatt	ttaagcaaat	gtaaaaactc	aataa		3465

<210> 13

<211> 2528

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No:1856357CB1

<400> 13

```

gctcgtggt ggcggacccg gaggetgctg cggcgccggg gctccgtggc ctggattgaa 60
tccgatcggg agccatgagc gtggacaaag ctgagctatg cgggtctctg ctcacctggt 120
tacagacgtt ccacgttccg tctccctgtg ccagccctca ggacctgagc agcggccttg 180
ccgtagccta tgtgtgaac cagatagacc cctcctgggt caacgaggca tggctccagg 240
gcatctcgga agatccaggt cccaactgga agctgaaggt cagcaatctg aagatgggtct 300
tacggagcct agtagagtac tcccaggatg tcctggcgca tcctgtgtca gaagagcatc 360
tcccagatgt gagctcatt ggagagttct cagaccggc agagctcggc aagctgcttc 420
agctggtgct gggctgtgcc atcagttgctg agaaaaagca ggaccacatc cagagaatca 480
tgacgtgga agaatcgggt cagcatgtgg tgatggaagc catccaagag ctcatgacca 540
aagacactcc tgactccctg tcaccagaga cgtatggcaa ctttgacagc cagtcgccga 600
ggtactatct cctaagtga gaggtgagg agggggacga attacagcag cgctgtctgg 660
atctggagcg gcagctgatg ctctgtcag aggagaagca gagcctggcg caagagaatg 720
cagggtcgcg ggagcggatg ggcggcgctg aaggcgaggg taccagggt ctcactgcca 780
agaagctgct gctgctgcaa tcccagctgg agcagttgca ggaggagaac ttcaggctgg 840
agagtggcag ggaggatgag cgcctgcgct gtgccgagct ggagagggag gttgcggagc 900
tgcagcaccg gaaccaggcg ctgactagcc tggcccagga ggcacaggcc ctgaaggatg 960
agatggatga actacggcag tcttcggagc gtgctgggca gctggaggcc acgctgacca 1020
gttgccggcg ccgcttgggc gagctgaggg agctgcggcg gcaggtgcgg cagctggagg 1080
aacgcaacgc cggccacgcc gagcgcacgc gacaactgga ggatgagcta cgccgagcgg 1140
gctccctgcg cgcccagctg gagggcgagc ggcggcaggt gcaggaactg cagggccagc 1200
ggcaggagga ggccatgaag gccgagaaat ggctatttga atgccgaac ctggaggaaa 1260
agtatgagtc ggtgacaaag gagaaggagc ggctgttggc ggagcgggac tccttgcggg 1320
aggccaatga ggagctgcgc tgcgcccagc tgcagcccgcg ggggttgacc caggccgcatc 1380
cctcactgga tcccactcc acaccctggt ataacttagc cgcagagatc ctgcctgcgg 1440
agctcaggga gacgtcctg cggttcagc tggagaacaa gcggctgtgc aggcaggagg 1500
cggccgaccg ggagcggcag gaggagctgc agcgccacct ggaggatgcc aaccgcgcgc 1560
gccacgggtt ggagacgcag caccggctga accagcagca gctatccgag ctgcgggccc 1620
aggtggagga cctgcagaaa gccctgcagg agcagggggg caagactgaa gatgccattt 1680
ccattttgct gaaaaggaa ctggaggaac atttgagaa gcttcatgag gcagatctgg 1740
agttgcagag gaagcgggag tacattgagg agctggagcc accactgac agcagcacag 1800
cccggcggat cgaggagctg cagcataact tgcagaagaa ggacgcggac ttgcgggcca 1860
tggaggagcg ataccgccc tacgtggaca aggcccgcat ggtcatgcag accatggaac 1920
ccaagcagcg gccagctgcg ggggcacctc cagaactcca ttccctgagg acacagctcc 1980
gagaacggga tgtccgcata cgacacctgg agatggactt tgagaaaagc cgaagtcagc 2040
gggagcagga agaaaagctg ctcatcagtg cctggtataa tatgggcatg gccttgcagc 2100
agcgagctgg ggaggagcgg gcgcctgccc atgccagtc attcctggca cagcagcggc 2160
tggcaaccaa ttctcgccgt ggacccttgg gacgcctggc atctctgaac cttcgcccca 2220
ctgacaagca ctgacagacc tcacaatcaa gccagcctgg gctccacca ccctggcttc 2280
ctccagctca catggcgccc agcactgggc ttcagccagg tgctcgagag ctttgaggcc 2340
atgatctctg ctcttccctc tcccagattg gtggggaggg agggcgggag gtagatatag 2400
gcctgttctt tttagcaatg tgattcttgt tgttgattct ctctctggag ttcattgtgt 2460
gcctcaggag actctgattt tatatttgag aaaaataaag gcgttcaatc tgcaaaaaaa 2520
aaaaaaaaa 2528

```

<210> 14
 <211> 671
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No:1871275CB1

<400> 14
 gagagatata tgggaaggaag ggaagtaagc agtcacagac gctggcggcc accagaagtt 60
 tgagcctctt tggtagcagg aggctggaag aaaggacaga agtagctctg gctgtgatgg 120
 ggatcttact gggcctgcta ctccctggggc acctaacagt ggacacttat ggccgtccca 180
 tcctggaagt gccagagagt gtaacaggac cttggaaagg ggatgtgaat cttccctgca 240
 cctatgaccc cctgcaaggc tacacccaag tcttggtgaa gtggctggta caacgtggct 300
 cagaccctgt caccatcttt ctacgtgact cttctggaga ccatatccag caggcaaagt 360
 accagggccg cctgcatgtg agccacaagg ttccaggaga tgtatccctc caattgagca 420
 ccctggagat ggatgaccgg agccactaca cgtgtgaagt cacctggcag actcctgatg 480
 gcaaccaagt cgtgagagat aagattactg agtccgtgt ccagaaacac tcctcaaagc 540
 tactcaagac caagactgag gcacctacaa ccatgacata ccccttgaaa gcaacatcta 600
 cagtgaagca gtccctgggac tggaccactg acatggatgg ctagcttggg gagaccagtg 660
 ctggggcagg a 671

<210> 15
 <211> 1146
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No:2645806CB1

<400> 15
 tacttccggg agagaatggg aggggtggaaa attttgtgcg tttggcgggt ttcgctctct 60
 tcataagtat tgatcattcc gcagccctgc ggaccggaca cgtgaggagg tagtgacgcc 120
 gacatgcca gaacacactg ctacaaggtc ccagatggcc acgtctctgg attttaaaac 180
 ttatgtagat caggcatgta gagctgctga ggagtgtgtc aatatttact atgagacaat 240
 ggataaaaga agacgggcac taaccaggct gtatctggac aaggccacct taatatggaa 300
 tggaaatgct gtttcagggc tggatgccct aaataatttt tttgacacat tgccttctag 360
 tgagttccag gtcaatatgt tagattgcca accagttcat gagcaagcaa ctcagtccca 420
 aactacagtt cttgttgtga ccagtggaaac tgtgaagttt gatggaaaca aacaacattt 480
 cttcaaccag aacttcctgc tgactgctca gtccactccc aacaatactg tgtggaagat 540
 tgcaagtgat tgcttccgtt ttcaagattg gtctagtagt taaaggggca aaagtccatt 600
 ctcatattgg ccattagttc cagcaattga aatttatgtg aattattttg attgtagaag 660
 cactataata tgtgctgaaa cttaaatttct ttaataatttt ctattcctgt cagcaccttt 720
 tctagcagct gccagtttgg agcattgccc tctaagagct ttaaaactat ttttttacat 780
 gccttatata cattccacta atgacattct tataataata ttaaacacat gatcttggta 840
 ctaacatact cactgtgaac ccagcctatt gcaaaaataa aatcttttta taatattatc 900
 tatgggatgt cagcacaata taacactctg ggaagaagtg gagttttttg gttattaggt 960
 taattttcta gtaaaacacg ttgcctgttt tcagttaaca ctggtaatgc cattttaata 1020
 tatggctttt tcaaatcagt tcagtgaaaa tagtacagat ttagggtttac ataactactc 1080
 tgacatactg gaattgcata tagagatggt cagtggctgt ttttcatttt aagtaatttt 1140
 tgtttt 1146

<210> 16
 <211> 1175
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No:3437773CB1

<400> 16
 gttacctatt ggtttgtttc tgcctatgtc tgtttctctc cctctaactg tgatgggttag 60
 agagagagat tggattggaa tccatctttt ttccctgtat ctttctctcc ctgtgggtat 120
 ccctgatttt ggctccatct ggtcagactt cctcttcaaa ttccctgggtga ttggcagtg 180
 aggaactggc aaatcatgtc tccttcatca gttcattgag aataagttca aacaggactc 240
 caaccacaca atcggcggtg agtttggatc ccgggtgggtc aacgtgggtg ggaagactgt 300
 gaagctacag atttgggaca cggttgcca ggagcggtt cggtcagtga cgcggagtta 360
 ttaccgaggg gcggctggag ccctgctggt gtacgacatc accagccggg agacatacaa 420
 ctactgggt gcctggctga cggatgccc caccctggcc agccccaaca tcgtggtcat 480
 cctctgtggc aacaagaagg acctggacc tgagcgggag gtcactttcc tggaggcctc 540
 ccgctttgcc caggagaatg agctgatgtt cctggagacc agcgctctca caggcgagaa 600
 cgtggaggag gcgttctca agtgtgccc cactatctc aacaagattg actcaggcga 660
 gctagaccgc gagaggatgg gctctggcat tcagtacggg gatgcgtccc tccgccagct 720
 tcggcagcct cggagtgcc aggcctggc ccctcagccg tgtggctgct gagctctgtg 780
 gagccagctc acctgttctc caggaccagc cctgctgggg ccagggccca ggctctgaga 840
 ggccgtgtcc taacctgcc tggccccgga gaagctacgt tgccacctgt ccccttccc 900
 tggcctggtg gggcctggct ttggggcaag actgagccac gggggaagg ggaatcccgt 960
 acctgctgct gcttctctg tcttggctaa cgtctgtccc cctgaacccc taaccatata 1020
 ccaagagctc ccaaagcctg agaccagggt catttgtccc caactcccca tctggccctg 1080
 ctgttgctag tacctgttat ttattacctg gaggcctgtc cagcaccac cctaccccca 1140
 taaagcattg ttacacctg taaaaaaaaa aaaaaa 1175